

# Project Proposal

**Proposal Title:** Millville WMA project

**Proposal Number:** 1210

**DWR Region:** Northern Region

**Lead Agency:** DWR

**County:** Cache

**Project Manager:** Ron Greer

**PM Phone:** 0

**Regional Priority:** Within Focus Area

**Project Type:** Terrestrial Habitat

**Proposed Start Date:** 8/1/2009

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**Project Location:** Millville, Utah

**Project Description:** Deer winter range rehabilitation on Millville WMA. Mechanical treatment, herbicide application and seeding of 255 acres.

**Description of Problem/Need:** The Millville WMA has been a critical area for wintering wildlife, specifically elk and mule deer. Due to fires and annual grass invasions, wintering mule deer have lost much of the available winter habitat. The area is adjacent to the Hyrum Logan deer fence that forces wintering wildlife to congregate behind the fence. This area becomes even more crucial due to the reduced area the wildlife have to winter in. This is also the area where elk congregate and have been fed by the local sportsman. The NRO is presently working with the Cache sportsmen to reduce the number of elk that winter on this site, in an effort to improve the quality and quantity of forage for wintering deer.

**Objectives:** To restore and create mule deer wintering habitat by increasing the quantity and quality of browse species. Of the 255 target acres we would try to treat upwards of 200 acres.

**Relevance to Strategic Plans:** The habitat needs expressed in the WAP will be addressed as well as those in the Cache Deer Herd Local working group.

**Potential Risks:** There is a risk of seeding failure. However, the current vegetaion is annual grasses and forbs so if there was a seeding failure the weedy species would revegetate the site. Elk impacts.

**Proposed Methods:** An Ely chain will be used to disturb the ground to create a seed bed. The chaining will also break up the sod formed by the bulbous bluegrass and storks bill. Based on our experience at Henefer Echo WMA last year it is most likely that the area will need to be doubled or even triple chained to achieve the desired effect. After the area is chained, a wildlife seed mix will be aerially applied. If we can find a roller packer, we will use it to firm the seed bed. The seed will not be back chained because our primary species that we want to establish are browse species like Sagebrush and Kochia, both of which are surface seeded species. If we achieve the kind of disturbance we got at Henefer there is enough loose soil to settle around the other grass and forb species to achieve good success. Following the seeding, Platuae herbicide will be applied to reduce cheatgrass.

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**Shapefile Name:** HPD 2010\GIS Proposals\NR\1210.shp

**Seed Source:** GBRC

**UPCD Reg Team Coord Date:** 1/14/2009

**Proposed  
NEPA Action:**

**Proposed  
Arch Action:**

☒ **Vegetation Monitoring**      ☐ **Wildlife Monitoring**

**Monitoring Information:** The area will be monitored by regional personal with photo plots. This would be an appropriate project for the range crew special projects team.

**Grazing Management:** The WMA has a current grazer that has agreed to adjust his grazing to accommodate this project. The contract is held by the DWR and will enforce the resting period of at least two years and prescriptive grazing in the future.

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## SPECIES BENEFITING

Mule Deer

Elk

Sharp-tailed Grouse

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## LAND OWNERSHIP

Owner	Acres
DWR	255
<b>Total</b>	<b>255</b>

## PROPOSED FUNDING

Source	Amount Requested	Date Approved	Amount Approved
Unfunded Balance	\$68,780.00		\$0.00
<b>Totals</b>	<b>\$68,780.00</b>		<b>\$0.00</b>

## PROPOSED BUDGET

Item	Description	DWR Account	Partner Contrib.
Contractual Services	Aerial application of Plateau. 100 acres	\$2,000.00	\$0.00
Materials and Supplies	plateau 100 acres	\$1,100.00	\$0.00
Seed (GBRC)	seed for 200 acres	\$15,000.00	\$0.00
Contractual Services	aerial application of seed, 200 acres	\$4,000.00	\$0.00
Contractual Services	Tractor for roller packer if available	\$500.00	\$0.00
Archaeological Survey	survey of 255 acres @ \$36/ac	\$9,180.00	\$0.00
Contractual Services	Chaining 200 ac, 3 passes = 600 ac @ \$60/ac	\$36,000.00	\$0.00
Motor Pool	Miles seed transport etc	\$1,000.00	\$0.00
	<b>Totals</b>	<b>\$68,780.00</b>	<b>\$0.00</b>

## Project Map:

